

Ser. No. 10/645,213
Amdt. dated June 21, 2005
Reply to Office action of January 21, 2005

PF020102

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (currently amended) [Wideband] A wideband antenna [consisting of] comprising a dielectric resonator [(1, 10)] mounted on a substrate [with] comprising an earth plane, wherein the dielectric resonator is positioned at a distance x from at least one of the edges of the earth plane, x being chosen such that $0 \leq x \leq \lambda_{\text{diel}}/2$, with λ_{diel} the wavelength defined in the dielectric of the resonator [.] for widening the passband.

2 (currently amended) – The A[a]ntenna according to Claim 1, wherein the substrate [with] comprising an earth plane consists of an element of dielectric material at least one face of which is metallized and constitutes the [an] earth plane.

3 (currently amended) – The A[a]ntenna according to Claim 2, wherein the face carrying the resonator is metallized, and the resonator is fed by coupling through a slot made in the metallization by a feedline made on the opposite face.

4 (currently amended) – The A[a]ntenna according to Claim 2, wherein the face opposite the face carrying the resonator is metallized and the resonator is fed via a feedline made on the face carrying the resonator.